

INTERNATIONAL SEARCH REPORT

National Application No
PCT/IB 03/06023

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L29/06 H04L12/58 H04Q7/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/073205 A1 (MOSTAFA MIRAJ) 13 June 2002 (2002-06-13) paragraph '0094! - paragraph '0109!; figure 1 paragraph '0118! - paragraph '0125! — A	1-40
A	US 2001/016875 A1 (BOYLE STEPHEN S ET AL) 23 August 2001 (2001-08-23) paragraph '0002! - paragraph '0019! paragraph '0053! - paragraph '0059!; figure 1 — —/—	3-7, 9, 10, 12, 14-16, 19, 20, 23-27, 29, 30, 32, 34-36, 39, 40

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

T later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

Z document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

14 May 2004

24/05/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Palenlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Garcia Bolos, R

INTERNATIONAL SEARCH REPORTInternational Application No
PCT/IB 03/06023

C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/087549 A1 (MOSTAFA MIRAJ) 4 July 2002 (2002-07-04) paragraph '0092! - paragraph '0124! -----	3,9,15, 23,29,35

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB 03/06023

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2002073205	A1	13-06-2002	FI	20001741 A		03-02-2002
			AU	767934 B2		27-11-2003
			AU	7985101 A		13-02-2002
			BR	0107066 A		11-06-2002
			CN	1393090 T		22-01-2003
			EP	1308013 A1		07-05-2003
			WO	0211398 A1		07-02-2002
			JP	2004505384 T		19-02-2004
			ZA	200203010 A		16-07-2003
US 2001016875	A1	23-08-2001	US	6243739 B1		05-06-2001
			US	5895471 A		20-04-1999
US 2002087549	A1	04-07-2002	FI	20002566 A		23-05-2002
			AU	2634402 A		03-06-2002
			WO	0243414 A2		30-05-2002
			EP	1410659 A2		21-04-2004